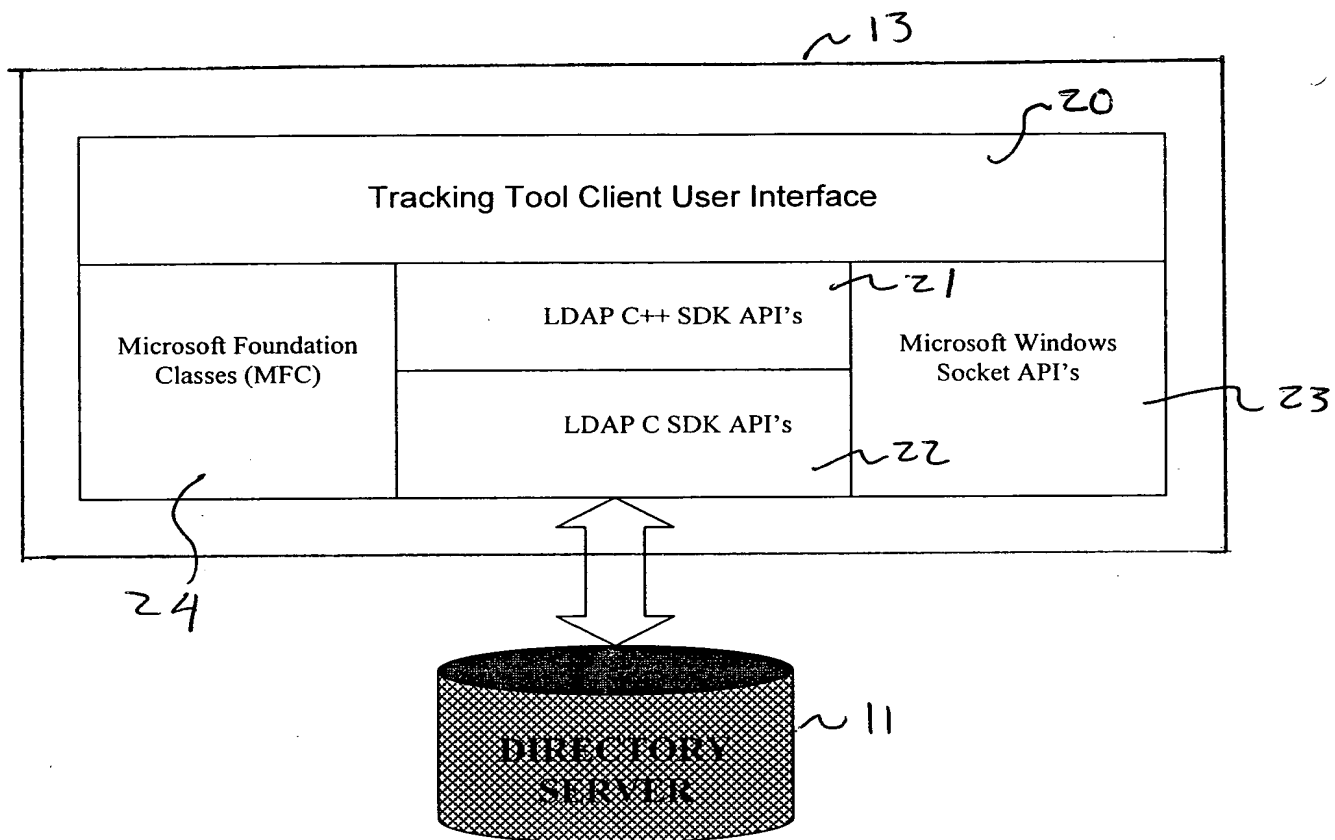


FIGURE 1

FIGURE 2



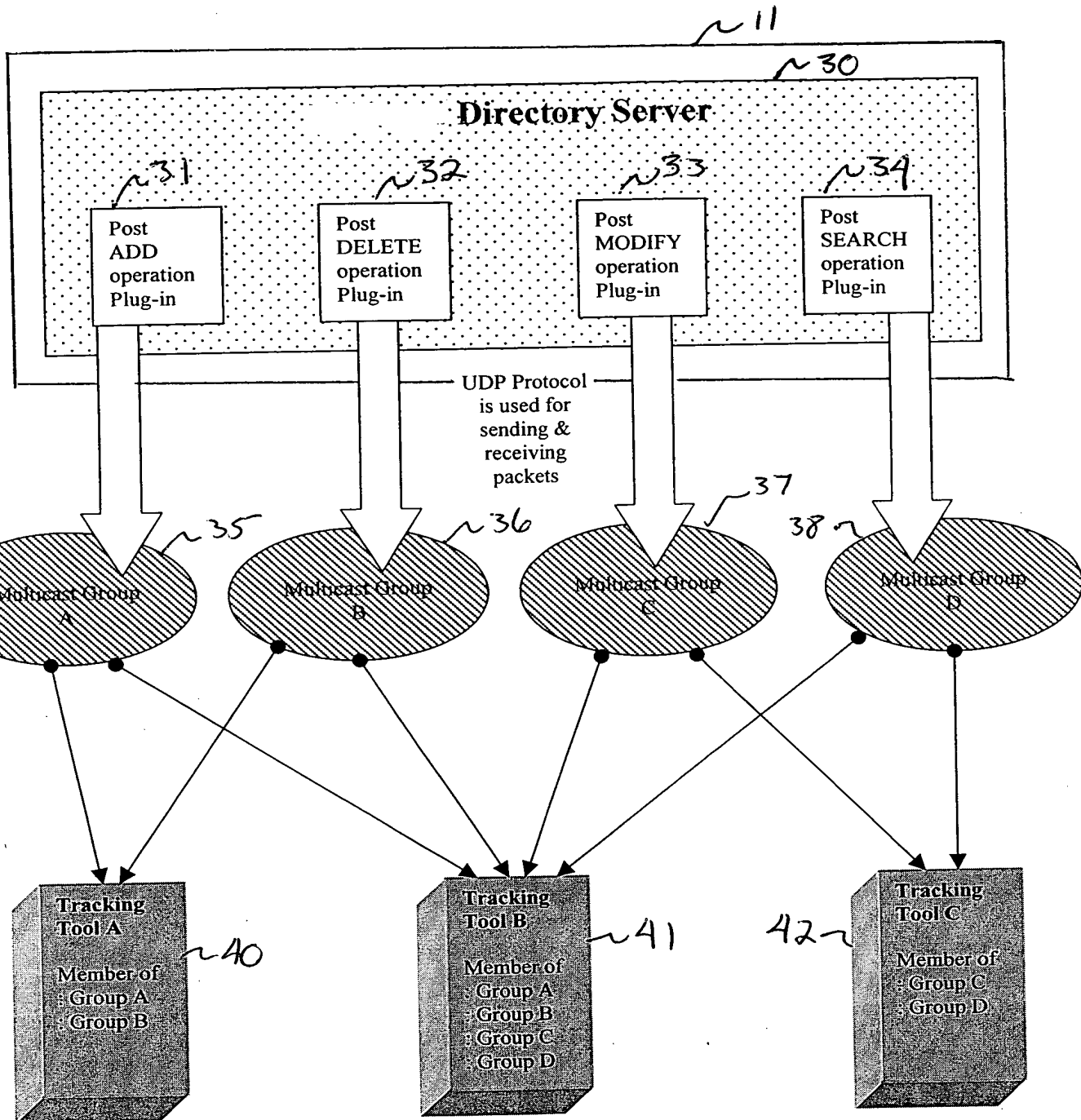


FIGURE 4

The screenshot shows a 'Server Configuration' dialog box with the following fields and annotations:

- Server Name:** 146.184.25.243 (Annotated with '51')
- Server Port:** 389 (Annotated with '50')
- Authentication ID: [optional]:** cn=Directory Manager (Annotated with '53')
- Password: [optional]:** (Annotated with '52' and '54')
- Printer Directory: [dn=?]:** ou=NetworkPrinters, dc=ats, dc=canon, dc=com (Annotated with '55')
- Buttons:** OK and Cancel

~60

New Printer

Name (cn): TestPrinter 65

Object Classes

- top 61
- device 62
- canonnetworkprintertemplate 63
- canonnetworkprinter 64

OK 66 Cancel

Printer List

- ATS-E10-95
- ATS-E10-110
- ATS-E10-210
- ATS-E10-400
- ATS-GP200-175
- ATS-GP200-293
- ATS-GP200-167
- ATS-GP200-111
- DVTP370_NEB6
- E10_193

TestPrinter

Buttons: Edit, Delete, Refresh, Cancel

Handwritten annotations: 71 (bracket on left), 70 (squiggle at top right), 73 (squiggle on right), 72 (squiggle on right pointing to Delete button)

Attribute Modification : E10_193

Value:

146.184.24.193

Modify Value

OK Cancel

Handwritten annotations: 75, 76, 77, 79

FIGURE 8

Messaging Options

ADD

- ☒ Receive Success Messages
- ☒ Receive Failure Messages

MODIFY

- ☒ Receive Success Message
- ☐ Receive Failure Message

DELETE

- ☒ Receive Success Messages
- ☒ Receive Failure Messages

SEARCH

- ☐ Receive Success Message
- ☐ Receive Failure Message

OK Cancel

~ 130

105 ~ 100

103

104

107

102

101

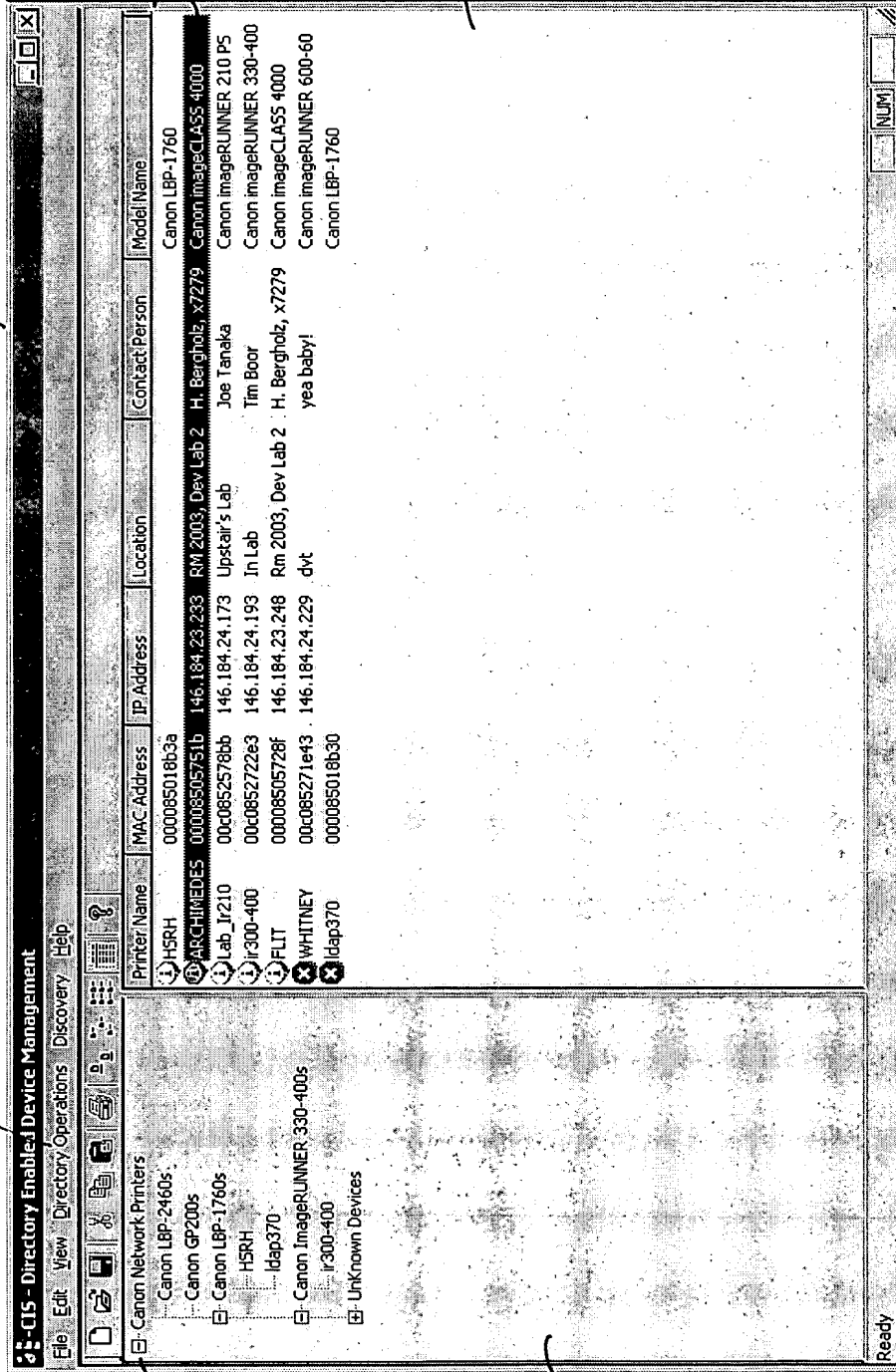


FIGURE 10

200



303

102

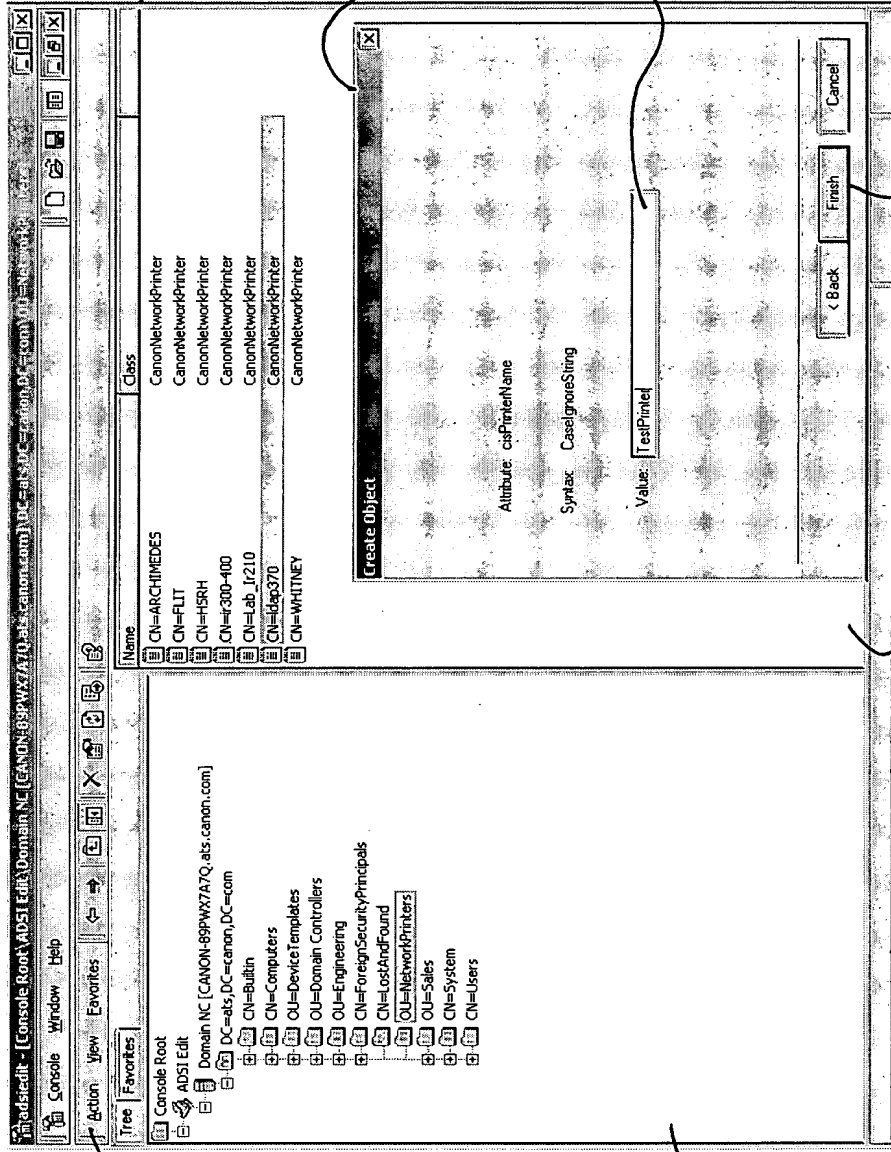
204

202

205

FIGURE 11

200



205

201

202

FIGURE 12

202 ✓



FIGURE 13

✓ 300

2103

2052

350

FIGURE 14

~400



450

4053

401

FIGURE 15

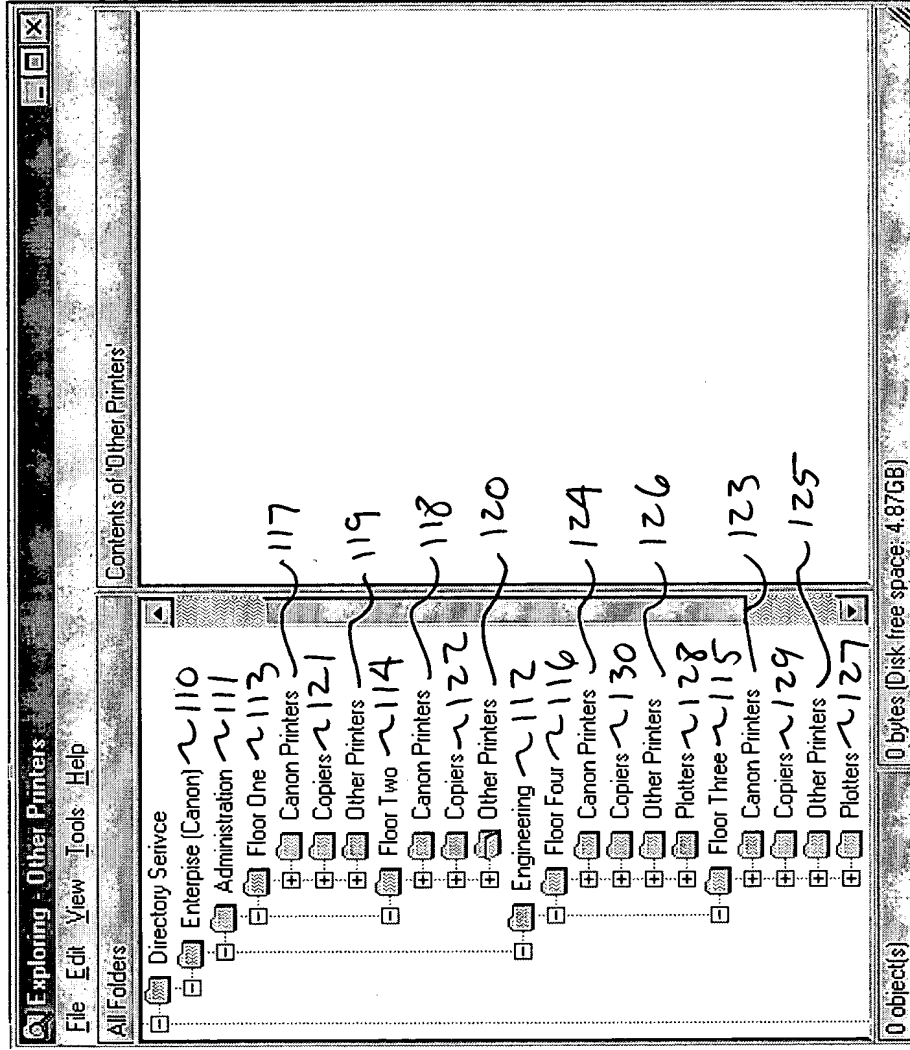


FIGURE 16

```

graph TD
    S1701[REGISTER WINDOWS SOCKETS WITH MULTICAST GROUPS] --> S1702[INITIALIZE SETTINGS FOR PROCESSING RECEIVED MULTICAST MESSAGES]
    S1702 --> S1703[LDAP CLIENT INITIALIZE COMMUNICATION WITH DIRECTORY SERVER]
    S1703 --> S1704[LDAP CLIENT PERFORM OPERATION IN DIRECTORY SERVER]
    S1704 --> S1705[CLIENT RECEIVE MULTICAST MESSAGES VIA WINDOWS SOCKET]
    S1705 --> S1706[CLIENT PROCESS MULTICAST MESSAGE ACCORDING TO SETTINGS]
  
```

FIGURE 17

```

graph TD
    S1801[EDIT SERVER CONFIGURATION FILE] --> S1802[ON SERVER STARTUP, LOAD LIBRARY AND CALL INITIALIZATION FUNCTIONS]
    S1802 --> S1803[INITIALIZE POST-OPERATION PLUG-INS AND WINDOWS SOCKET]
    S1803 --> S1804{LDAP OPERATION PERFORMED?}
    S1804 -- NO --> S1804
    S1804 -- YES --> S1805[CALL PLUG-IN CORRESPONDING TO TYPE OF LDAP OPERATION]
    S1805 --> S1806[PLUG-IN OBTAIN DN AND RESULT INFORMATION]
    S1806 --> S1807[PLUG-IN GENERATE MULTICAST PACKET]
    S1807 --> S1808[PLUG-IN MULTICAST PACKET THROUGH WINDOWS SOCKET TO MULTICAST ADDRESS]

```

FIGURE 18